1166/1266 Bluetooth Wireless Scanners

User's Manual

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Revision History

Version	***Release Date***	***Notes***
V 1.00	Oct. 31, 2005	First release.
V 2.00	Dec.30, 2005	Supports Bluetooth HID. Firmware version: V4.10
V2.10	Jan.18, 2006	Updated: ● Bluetooth HID: The default setting of Capital Lock Setting is changed from Auto Detection to **Capital Lock OFF**. ● Bluetooth HID doesn't support the following functions on PDA for Win CE. ■ Capital Lock Setting: **Auto Detection** ■ Digit Transmission: **Numeric Key** ■ **Alt Composing** Firmware version: V4.20

Restore Default Settings

Exit Setup without Changes

Set Connection

*

Programming Instructions: (1) Read the label. (2) Read the Serial Number barcode on the bottom of the desired 3666 Base Station within 5 seconds to complete this setting.

RF Auto Shutdown Duration

*

Programming Instructions: (1) Read the label. (2) Program the desired auto shutdown duration (in minutes) by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Transmit Buffer Setting

Enable

< Disable >

Update

Memory Mode Parameters

- Memory Mode

Enable

< Disable >

- Clear Data

Clear

Confirm

- Send Data

- Memory Data Delay

< 0 >

2 sec

250 ms

3 sec

500 ms

5 sec

1 sec

8 sec

Enter Setup

List Setting

Page1

Page 2

Page 3

Page 4

Page 5

Page 6

Page 7

Page 8

Page 9

Page 10

Buzzer Settings

< Buzzer Enable>

Buzzer Disable

• Buzzer Frequency

8 kHz

2 kHz

< 4 kHz >

1 kHz

Reading Redundancy Setting

< No Redundancy >

3 Times

2 Times

4 Times

Scan Mode Setting

< Auto Off Mode >

Auto Power Off Mode

Momentary Mode

Laser Mode

Continuous Mode

Alternate Mode

Repeat Mode

Test Mode

Auto-Sense Setting

Enable

<Disable>

Scanner Time-out Duration

*

Programming Instructions: (1) Read the label. (2) Program the desired time-out duration by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Negative Barcode Setting

Enable

< Disable >

Delay between Reread

100 ms

200ms

< 400 ms >

800 ms

1 sec

2 sec

3 sec

5 sec

Keyboard Wedge Parameters

- Activate and Select Keyboard Type

*

Programming Instructions: (1) Read the label. (2) Program the desired keyboard number (shown in the following table) by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

- Keyboard Table

No.	Keyboard Type
1	PCAT (US)
2	PCAT (French)
3	PCAT (German)
4	PCAT (Italy)
5	PCAT (Swedish)
6	PCAT (Norwegian)
7	PCAT (UK)
8	PCAT (Belgium)
9	PCAT (Spanish)
10	PCAT (Portuguese)
11	PS55 A01-1
12	PS55 A01-2
13	PS55 A01-3
14	PS55 001-1
15	PS55 001-81
16	PS55 001-2
17	PS55 001-82
18	PS55 001-3
19	PS55 001-8A
20	PS55 002-1, 003-1
21	PS55 002-81, 003-81
22	PS55 002-2, 003-2
23	PS55 002-82, 003-82
24	PS55 002-3, 003-3
25	PS55 002-8A, 003-8A
26	IBM 3477 (Japanese)
27	PS2-30
28	IBM 34XX/319X, Memorex Telex 122 Keys

• Keyboard Alphabets Layout

< Default Layout >

AZERTY

QWERTZ

• Keyboard Digits Layout

< Default Layout >

Lower Row

Upper Row

• Keyboard Capital Lock Type

< Default >

Shift Lock

Capital Lock

• Capital Lock Setting

Capital Lock ON

< Capital Lock OFF >

Auto Detection

Update

• Alphabet Transmission

< Case Sensitive >

Ignore Case

• Digits Transmission

< Alphanumeric Key >

Numeric Key

• Alt Composing

Yes

< No >

• Inter-Character Delay

*

Programming Instructions: (1) Read the label. (2) Program the desired inter-character delay by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Laptop Support

<Disable>

Enable

Enter Setup

RS-232 Parameters

• Activate RS232 Interface

• Baud Rate

115200

119200

4800

1200

38400

< 9600 >

2400

Parity

Even

< No Parity >

Odd

• Data Bit

< 8 >

7

Update

• Flow Control (single port only)

< None >

Data Ready

Scanner Ready

INV. Data Ready

• Inter-Character Delay

*

Programming Instructions: (1) Read the label. (2) Program the desired inter-character delay by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Enter Setup

Bluetooth Serial Port Parameters

• Activate Bluetooth Serial Port Interface

• Device Name Broadcasting

< Yes >

No

• Authentication

Yes

< No >

• PIN Code

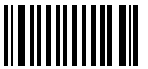
*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 54) to complete this setting. (4) Max 6 characters for this PIN Code setting.

Update

Bluetooth HID Parameters

• Activate and Select Keyboard Type


*

Programming Instructions: (1) Read the label. (2) Program the desired keyboard number (shown in the following table) by reading Decimal Digits on page 53. (3) Read the "Validate" label (also on page 53) to complete this setting.

• HID Keyboard Table

No.	Keyboard Type
64	PCAT (US)
65	PCAT (French)
66	PCAT (German)
67	PCAT (Italy)
68	PCAT (Swedish)
69	PCAT (Norwegian)
70	PCAT (UK)
71	PCAT (Belgium)
72	PCAT (Spanish)
73	PCAT (Portuguese)

• Reset Connection

Please read this label when switching connection from one PC to another and the reconnection is needed.

• Device Name Broadcasting

< Yes >

No

Enter Setup

• Authentication

Yes

< No >

• PIN Code

*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 54) to complete this setting. (4) Max 6 characters for this PIN Code setting.

• Keyboard Alphabets Layout

< Default Layout >

AZERTY

QWERTZ

• Keyboard Digits Layout

< Default Layout >

Lower Row

Upper Row

• Keyboard Capital Lock Type

< Default >

Shift Lock

Capital Lock

• Capital Lock Setting

Capital Lock ON

< Capital Lock OFF >

Auto Detection

• Alphabet Transmission

< Case Sensitive >

Ignore Case

• Digits Transmission

< Alphanumeric Key >

Numeric Key

• Alt Composing

Yes

<No>

Prefix / Postfix Settings

Prefix Code *

Postfix Code *

Character Substitution

Set 1 *

Set 2 *

Set 3 *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 54) to complete this setting.

Code ID Selection

- Clear All Code ID Settings

- Select Code ID Set

Set 1

Set 2

Set 3

Set 4

Set 5

Update

Code ID Setting

Code 39 *

French Pharmacode *

Interleave 25 *

Codabar *

UPCE *

EAN13 *

Code 128 *

Plessey *

Italy Pharmacode *

Industrial 25 *

Matrix 25 *

UPCA *

EAN8 *

Code 93 *

MSI *

Telepen *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 54) to complete this setting.

Enter Setup

Length Code Setting (2 digits)

• Code 39 Length Code

Enable

< Disable >

• Italy Pharmacode Length Code

Enable

< Disable >

• French Pharmacode Length Code

Enable

< Disable >

• Industrial 25 Length Code

Enable

< Disable >

• Interleave 25 Length Code

Enable

< Disable >

• Matrix 25 Length Code

Enable

< Disable >

• Codabar Length Code

Enable

< Disable >

• UPCA Length Code

Enable

< Disable >

• UPCE Length Code

Enable

< Disable >

• EAN8 Length Code

Enable

< Disable >

• EAN13 Length Code

Enable

< Disable >

• Code 93 Length Code

Enable

< Disable >

• Code 128 Length Code

Enable

< Disable >

• EAN128/RSS Length Code

Enable

< Disable >

• MSI Length Code

Enable

< Disable >

• Plessey Length Code

Enable

< Disable >

• Telepen Length Code

Enable

< Disable >

Update

Select Readable Codes

• Code 39

< Enable >

Disable

• Italy Pharmacode

Enable

< Disable >

• French Pharmacode

Enable

< Disable >

• Industrial 25

< Enable >

Disable

• Interleave 25

< Enable >

Disable

Enter Setup

• Matrix 25

Enable

< Disable >

• Codabar

< Enable >

Disable

• Code 93

< Enable >

Disable

• Code 128

< Enable >

Disable

• EAN128

Enable

< Disable >

• MSI

Enable

< Disable >

• Plessey

Enable

< Disable >

• Telepen

Enable

< Disable >

• UPCA

< Enable No Addon >

Disable No Addon

Enable Addon2

< Disable Addon2 >

Enable Addon5

< Disable Addon5 >

• UPCE

< Enable No Addon >

Enable Addon2

Enable Addon5

Disable No Addon

< Disable Addon2 >

< Disable Addon5 >

• EAN8

< Enable No Addon >

Enable Addon2

Enable Addon5

Disable No Addon

< Disable Addon2 >

< Disable Addon5 >

• EAN13

< Enable No Addon >

Enable Addon2

Enable Addon5

Disable No Addon

< Disable Addon2 >

< Disable Addon5 >

• RSS14

Enable

< Disable >

• RSS Limited

Enable

< Disable >

• RSS Expanded

Enable

< Disable >

Code39 Parameters

• Standard / Full ASCII Code39

< Standard >

Full ASCII

• Start / Stop Transmission

Enable

< Disable >

• Checksum Verification

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

Italy Pharmacode Parameters

• Checksum Transmission

< Enable >

Disable

French Pharmacode Parameters

• Checksum Transmission

< Enable >

Disable

Industrial 25 Parameters

• Start / Stop Selection

< Industrial 25 >

Matrix 25

Interleave 25

• Checksum Verification

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

• Max / Min Code Length Qualification

Select Max / Min Length Qualification

Max Length *

Min Length *

• Fixed Code Length Qualification

Select Fixed Length Qualification

Fixed Length 1 *

Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Interleave 25 Parameters

• Start / Stop Selection

Industrial 25

Matrix 25

< Interleave 25 >

• Checksum Verification

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

• Max / Min Code Length Qualification

Select Max / Min Length Qualification

Max Length *

Min Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Fixed Code Length Qualification

Select Fixed Length Qualification

Fixed Length 1 *

Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Matrix 25 Parameters

• Start / Stop Selection

Industrial 25

Interleave 25

< Matrix 25 >

• Checksum Verification

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

• Max / Min Code Length Qualification

Select Max / Min Length Qualification

Max Length *

Min Length *

• Fixed Code Length Qualification

Select Fixed Length Qualification

Fixed Length 1 *

Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Codabar Parameters

• CLSI Conversion

Enable

< Disable >

• Start / Stop Transmission

Enable

< Disable >

Start / Stop Selection

< abcd / abcd >

abcd / tn*e

ABCD / ABCD

ABCD / TN*E

Plessey Parameters

• Convert to UK Plessey

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

Telepen Parameters

• Telepen Output

< AIM Telepen >

Original Telepen

Update

MSI Parameters

• Checksum Verification

< Single Modulo 10 >

Double Modulo 10

Modulo 11 & 10

• Checksum Transmission

< Last digit not Transmitted >

Transmitted

Last 2 Digits not Transmitted

• Max / Min Code Length Qualification

Select Max / Min Length Qualification

Max Length *

Min Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Enter Setup

• Fixed Code Length Qualification

Select Fixed Length Qualification

Fixed Length 1 *

Fixed Length 2 *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the "Validate" label (also on page 53) to complete this setting.

EAN128 Parameters

• Code ID Transmission

Enable

<disable>

• Field Separator

*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the "Validate" label (also on page 54) to complete this setting.

Update

EAN8 Parameters

• Convert to EAN13

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

UPCA Parameters

• Convert to EAN13

< Enable >

Disable

• System Number Transmission

< Enable >

Disable

• Checksum Transmission

< Enable >

Disable

Enter Setup

UPCE Parameters

• System Number Selection

System Number 0 and 1

< System Number 0 only >

• Convert to UPCA

Enable

< Disable >

• System Number Transmission

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

EAN13 Parameters

• ISBN Conversion

Enable

< Disable >

• ISSN Conversion

Enable

< Disable >

• Checksum Transmission

< Enable >

Disable

RSS Code ID Selection

]C1

<]e0 >

RSS14 Parameters

• Code ID Transmission

< Enable >

Disable

• Application ID Transmission

< Enable >

Disable

• Checksum Transmission

< Enable >

Disable

RSS Limited Parameters

• Code ID Transmission

< Enable >

Disable

• Application ID Transmission

< Enable >

Disable

• Checksum Transmission

< Enable >

Disable

RSS Expanded Parameters

• Code ID Transmission

< Enable >

Disable

Activate Editing Formats

• Format 1

Enable

< Disable >

• Format 2

Enable

< Disable >

• Format 3

Enable

< Disable >

• Exclusive Data Editing

Yes

< No >

• Apply Editing Format to Telepen

< Yes >

No

Editing Format Parameters

• Format Selection

Format 1

Format 2

Format 3

• Restore Default Format

• Applicable Data Length

Maximum Length *

Minimum Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Matching String of Applicable Data

*

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

• Location of Matching String

*

Programming Instructions: (1) Read the label. (2) Program the desired location by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Total Number of Fields

1

2

3

4

5

6

• Applicable Code Type

All

Code 39

French Pharmacode

Interleave 25

Codebar

Code 128

UPCE No Addon

UPCE Addon5

EAN8 Addon2

Clear

Italy Pharmacode

Industrial 25

Matrix 25

Code 93

EAN128/RSS

UPCE Addon2

EAN8 No Addon

EAN8 Addon5

Update

•

EAN13 No Addon

EAN13 Addon2

EAN13 Addon5

UPCA No Addon

UPCA Addon2

UPCA Addon5

MSI

Plessey

End of Format Programming

• Field1 Setting

Divide Field by
Field Terminating String

Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

Include Terminating String

Discard Terminating String

Divide Field by Field Length

Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

Update

• Field2 Setting

Divide Field by
Field Terminating String

Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

Include Terminating String

Discard Terminating String

Divide Field by Field Length

Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

End of Format Programming

• Field3 Setting

Divide Field by
Field Terminating String

Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

Include Terminating String

Discard Terminating String

Divide Field by Field Length

Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Field4 Setting

Divide Field by
Field Terminating String

Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

Include Terminating String

Discard Terminating String

Divide Field by Field Length

Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by on page 53. (3) Read the “Validate” label (also on page 53) to complete this setting.

• Field5 Setting

Divide Field by
Field Terminating String

Field Terminating String *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

Include Terminating String

Discard Terminating String

Divide Field by Field Length

Field Length *

Programming Instructions: (1) Read the label. (2) Program the desired length by reading Decimal Digits on page 53. (3) Read the “Validate” label (also on page53) to complete this setting.

Update

• Additional Fields Setting

Additional Field 1 *

Additional Field 2 *

Additional Field 3 *

Additional Field 4 *

Additional Field 5 *

Programming Instructions: (1) Read the label. (2) Program the desired character string by reading Hexadecimal Digits on page 54. One character consists of 2 hexadecimal digits. (3) Read the “Validate” label (also on page 54) to complete this setting.

End of Format Programming

• Field Transmission Sequence

Start

Field 1

Field 2

Field 3

Field 4

Field 5

Field 6

Additional Field 1

Additional Field 2

Additional Field 3

Additional Field 4

Additional Field 5

End

Programming Instructions: (1) Read the “Start” label. (2) Program the desired transmission sequence by reading the Field / Additional Field labels. (3) Read the “End” label to complete this setting.

Decimal Digits

0

1

2

3

4

5

6

7

8

9

• Validate

Hexadecimal Digits

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

• Validate

Update

Key Type

< Normal >

Scan Code

Key Status

Add Shift

Add Alternate (L)

Add Alternate (R)

Add Control (L)

Add Control (R)

Enter Setup

KBD Wedge Character Table

	0	1	2	3	4	5	6	7	8
0		F2	SP	0	@	P	`	p	⓪
1	Ins	F3	!	1	A	Q	a	q	①
2	Del	F4	"	2	B	R	b	r	②
3	Home	F5	#	3	C	S	c	s	③
4	End	F6	$	4	D	T	d	t	④
5	Up	F7	%	5	E	U	e	u	⑤
6	Down	F8	&	6	F	V	f	v	⑥
7	Left	F9	'	7	G	W	g	w	⑦
8	BS	F10	(	8	H	X	h	x	⑧
9	HT	F11	)	9	I	Y	i	y	⑨
A	LF	F12	*	:	J	Z	j	z	
B	Right	ESC	+	;	K	[	k	{	
C	PgUp	Exec	,	<	L	\	l	|	
D	Enter		-	=	M	]	m	}	
E	PgDn		.	>	N	^	n	~	
F	F1		/	?	O	_	o	Dly	Enter*

Enter* : Enter Key of the Numeric Key Pad
⓪…⑨ : Digits of Numeric Key Pad

RS-232 Character Table

	0	1	2	3	4	5	6	7
0		DLE	SP	0	@	P	`	p
1	SOH	DC1	!	1	A	Q	a	q
2	STX	DC2	"	2	B	R	b	r
3	ETX	DC3	#	3	C	S	c	s
4	EOT	DC4	$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	'	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL